

CUMBERLAND COUNTY

REFERENCE TIDE GAUGE - CAPE MAY FERRY TERMINAL

There is no National Ocean Service tide gauge in Cumberland County. As a result, the Cape May Ferry Terminal tide gauge is being used as the reference for the county. The gauge is located along the Cape May Canal near the outlet to Delaware Bay.

High tides along Cumberland County's bay shore occur later than the high tides at the ferry terminal. The time differences range from about ½ hour in the eastern part of the county to around 2 hours in the western part of the county. Low tides range from about 1 hour later in the east to around 2½ hours later in the west.

In Cumberland County, tidal flooding will be enhanced by a southeast or south wind. Flooding may begin sooner than indicated in the following table and it may become more widespread.

Data Acquisition

In order to access data from the Cape May Ferry Terminal gauge, use the National Ocean Service web site at <http://tidesonline.nos.noaa.gov/>.

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The tide heights from actual events referenced in the following table are those that were verified by the National Ocean Service. They may vary slightly from figures found in other National Weather Service publications.

THE PERIOD OF RECORD FOR THE CAPE MAY GAUGE BEGINS IN DECEMBER 1965. PLEASE NOTE THAT THERE ARE GAPS WITHIN THE PERIOD OF RECORD DUE TO EQUIPMENT OUTAGES AND/OR DATA AVAILABILITY.

ALL HEIGHTS ARE IN MEAN LOWER LOW WATER (MLLW).

- 8.9 FT — October 29, 2012 (Post Tropical Cyclone Sandy).
- 8.8 FT — September 27, 1985 (Hurricane Gloria).
- 8.7 FT — MAJOR TIDAL FLOODING BEGINS.**
October 25, 1980.
- 8.6 FT — December 11, 1992.
- 8.5 FT — January 4, 1992 / March 3, 1994.
- 8.4 FT — August 27, 2011 (Hurricane Irene).
- 8.3 FT — October 14, 1977.
- 8.2 FT — December 22, 1972 / October 31, 1991 / February 5, 1998 / June 4, 2012.
- 8.1 FT — March 29, 1984 / October 17, 2009 / November 13, 2009.
The northern approach to the Cumberland County Route 553 bridge at Dividing Creek floods.

- 8.0 FT — January 28, 1998 / October 7, 2006 / May 12, 2008.
- 7.9 FT — December 2, 1974 / January 2, 1987 / March 19, 1996 / January 25, 2000 / May 25, 2005 / January 31, 2006.
- 7.8 FT — December 14, 1993 / April 18, 2007.
- 7.7 FT — MODERATE TIDAL FLOODING BEGINS.**
December 9, 1973 / November 15, 1981 / December 13, 1996 / November 14, 1997 / January 3, 1999 / June 13, 2007 / June 22, 2009 / April 16, 2011.
Flooding begins in Greenwich, Fairton, Mauricetown and Port Norris.
- 7.1 FT — Flooding begins in Maurice River Township.
- 6.9 FT — Flooding begins in Money Island and Gandys Beach.
- 6.7 FT — MINOR TIDAL FLOODING BEGINS.**
Flooding occurs along the road into Fortescue (Cumberland County Route 637).
Flooding begins in Bivalve.
- 1.8 FT — BLOWOUT TIDE.**
- 2.8 FT — January 31, 1966.
- 3.0 FT — January 27, 1971.